Rich, Christopher W. (Perkins Coie)

From: Villa, Clifford <Villa.Clifford@epa.gov>
Sent: Monday, March 03, 2014 4:33 PM
To: Feldman, Stephen (Perkins Coie); Rich, Christopher W. (Perkins Coie)
Cc: Yackulic, Ted
Subject: FW: TAL Metals
Attachments: Feb-Queen Ave Data Summary Table.xlsx

More preliminary lab results. . . .

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Assistant Regional Counsel
U.S. Environmental Protection Agency, Region 10
(206) 553-1185 (office) | (206) 419-2744 (cell)

From: Heister, Dan
Sent: Monday, March 03, 2014 4:10 PM
To: Villa, Clifford; Martenson, Eric
Subject: Fw: TAL Metals

Below are results on the container in which the contents of the acid and KOH lines were consolidated.

From: Petersen, James C. <JPetersen@ene.com>
Sent: Monday, March 03, 2014 3:44:44 PM
To: Heister, Dan
Subject: FW: TAL Metals

Dan,
Hi. Here's the results table updated with the phosphorus and potassium metals (from previous weeks' samples—not the ones from Saturday). Nothing surprising. It shows that, at least for the blue drum and open bucket, there was very likely a blend of phosphoric acid and potassium hydroxide. The blue drum with high pH of 12.6 is very high in potassium, and that bucket with low pH of 2.67 is high in phosphorus.
-Jim

From: Woodke, Mark
Sent: Monday, March 03, 2014 10:34 AM
To: Petersen, James C.
Subject: TAL Metals

TAL Metals with Phosphorus draft results.

Mark Woodke, CHMM, *Chemist*
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Queen Avenue Samples Tentative Data Summary Table			
Sample Number	**13101013**	**13101014**	**13101015**
Sample Date	**2/21/2014**	**2/24/2014**	**2/24/2014**
Sample Location	**PP01**	**TK01**	**BK01**
Sample Location Description	**Blue Plastic Closed-Lid Process Piping Collection Drum**	**AN Spill Containment Tank**	**Rope Handled Open Top Black Bucket w/Piping Decon Effluent**
Analyte			
RCRA Metals (ug/L)			
Phosphorous	2,830,000	20.9 J	133,000
Potassium	14,000,000	839	31,200
Acrylonitrile (ug/L)	1,700	0.67	110,000
pH	12.6	7.54	2.67

Key

J = The associated numerical value is an approximate concentration.

ug/L = micrograms per liter.